

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083023\
 Data File : VN079113.D
 Acq On : 30 Aug 2023 13:33
 Operator : JC\MD
 Sample : 04223-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 02:15:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

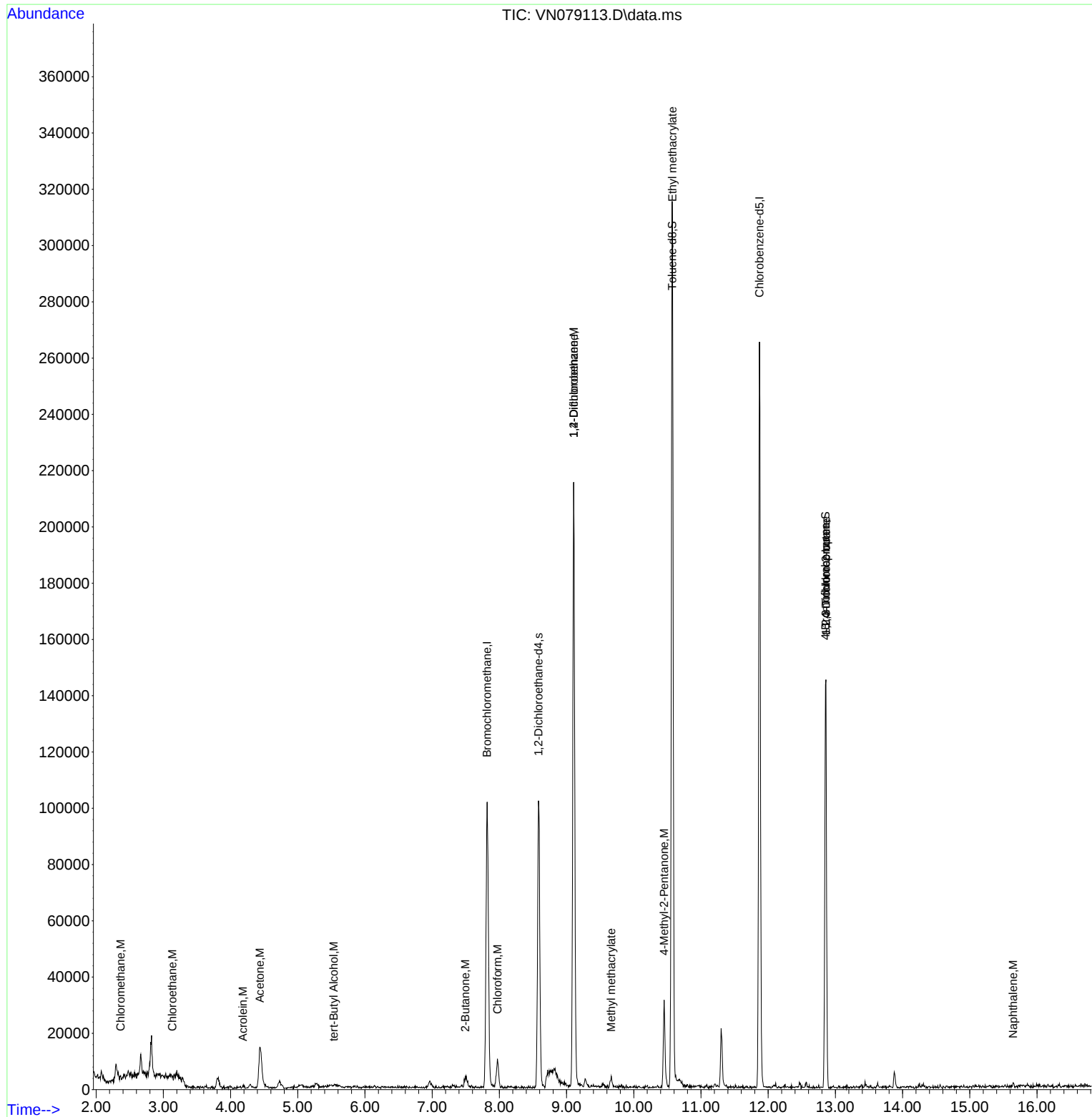
Internal Standards						
1) Bromochloromethane	7.818	128	34570	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	170651	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	147469	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	80379	28.700	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.667%
60) 4-Bromofluorobenzene	12.853	95	48658	22.620	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.400%
63) Toluene-d8	10.570	98	211753	30.748	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	894	0.342	ug/l #	44
6) Chloroethane	3.136	64	371	0.221	ug/l	99
13) Acrolein	4.183	56	197	0.659	ug/l #	16
15) Acetone	4.436	58	8412	24.305	ug/l	87
23) tert-Butyl Alcohol	5.535	59	301	0.715	ug/l #	100
25) Chloroform	7.971	83	9177	2.249	ug/l #	82
30) 2-Butanone	7.494	43	3802	2.502	ug/l #	83
36) 1,2-Dichloroethane	9.106	62	6647	2.282	ug/l #	73
46) Methyl methacrylate	9.665	41	856	0.374	ug/l #	41
51) Ethyl methacrylate	10.576	69	617	0.210	ug/l	88
58) 4-Methyl-2-Pentanone	10.453	43	21494	7.346	ug/l	94
72) 1,2,3-Trichloropropane	12.859	75	26965	11.688	ug/l	1
77) t-1,4-Dichloro-2-butene	12.859	75	26965	31.452	ug/l #	3
91) Naphthalene	15.647	128	773	0.215	ug/l #	68

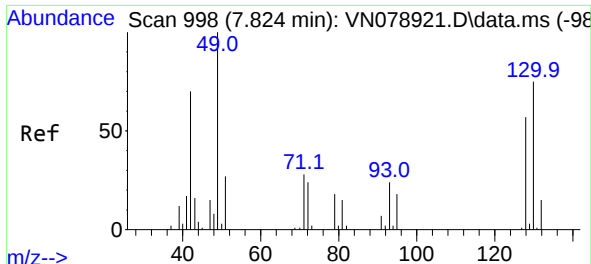
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083023\
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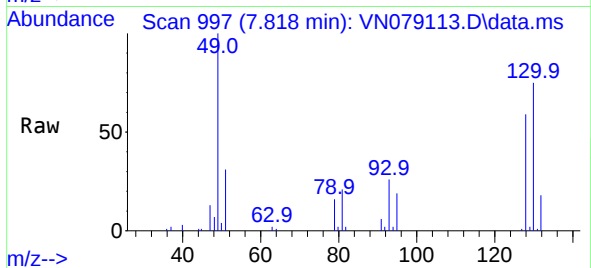
Quant Time: Aug 31 02:15:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
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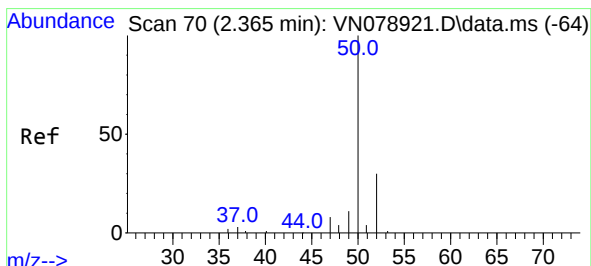
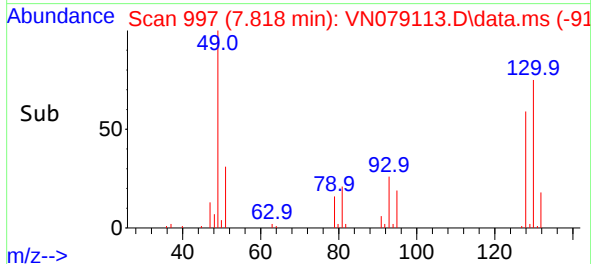
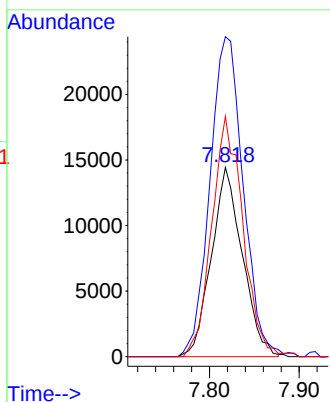


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Instrument :
MSVOA_N
ClientSampleId :

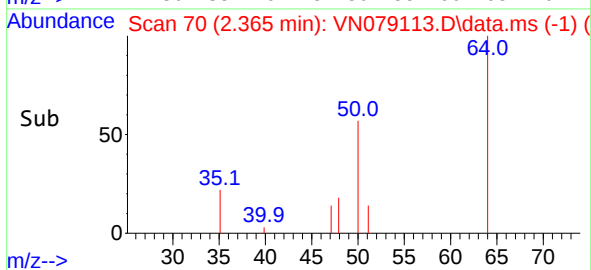
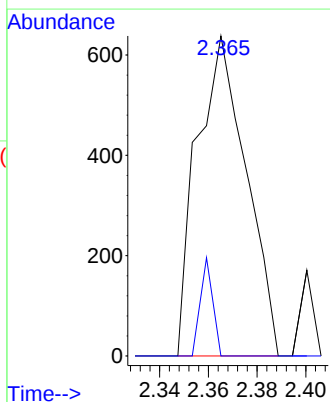
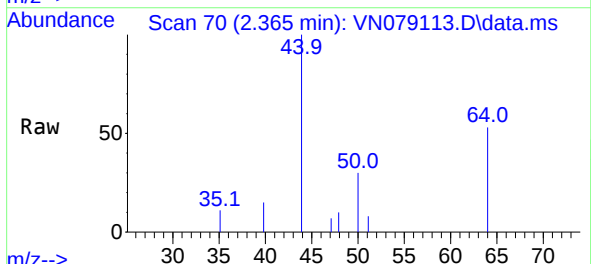


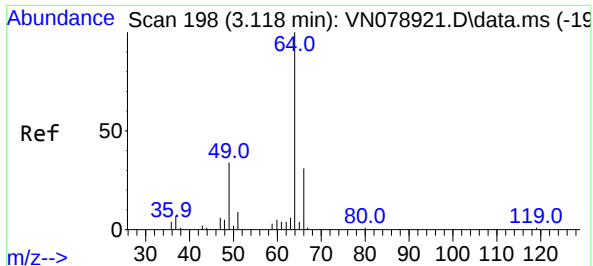
Tgt Ion:128 Resp: 34570
Ion Ratio Lower Upper
128 100
49 181.6 0.0 481.8
130 127.4 0.0 320.5



#3
Chloromethane
Concen: 0.342 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Tgt Ion: 50 Resp: 894
Ion Ratio Lower Upper
50 100
52 0.0 24.2 36.4#

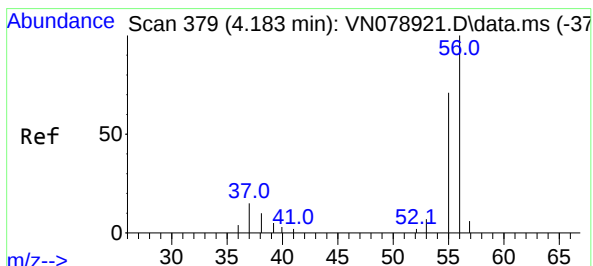
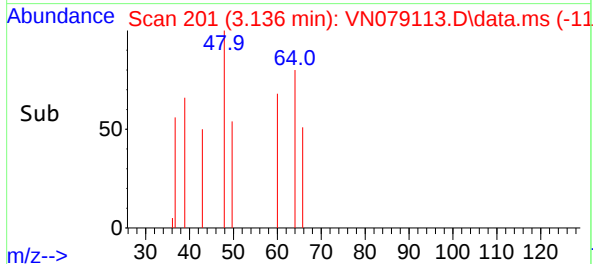
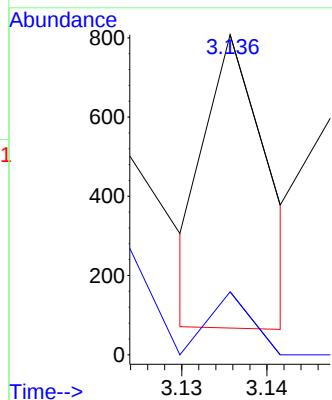
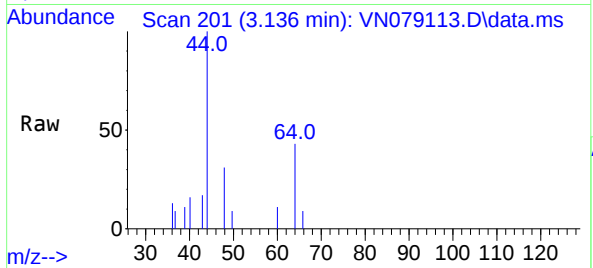




#6
Chloroethane
Concen: 0.221 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

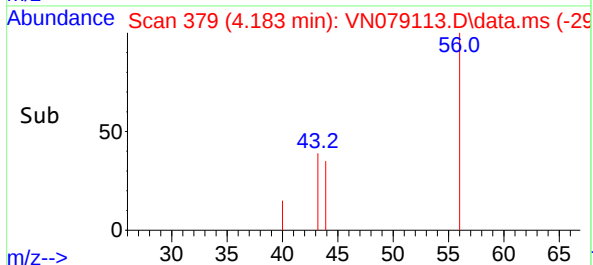
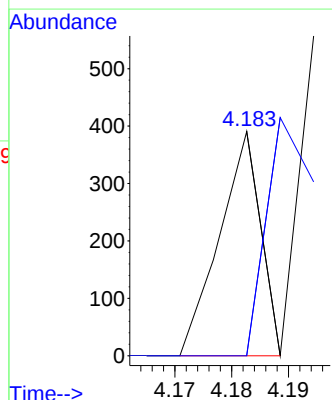
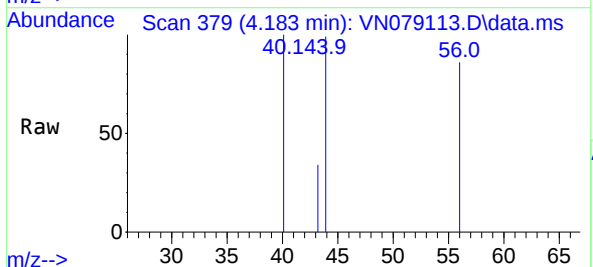
Instrument :
MSVOA_N
ClientSampleId :

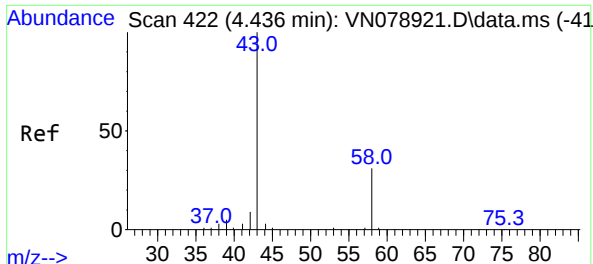
Tgt Ion: 64 Resp: 371
Ion Ratio Lower Upper
64 100
66 31.7 24.9 37.3



#13
Acrolein
Concen: 0.659 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Tgt Ion: 56 Resp: 197
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

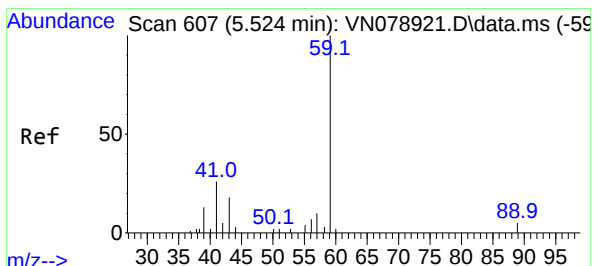
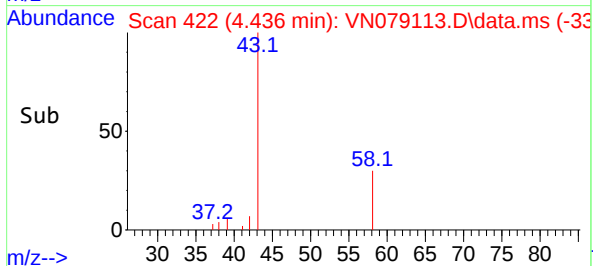
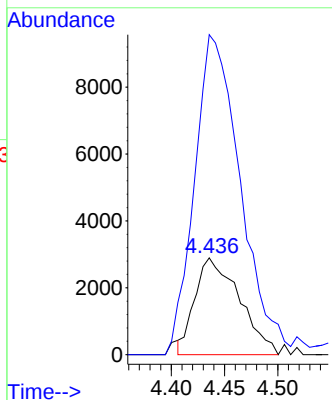
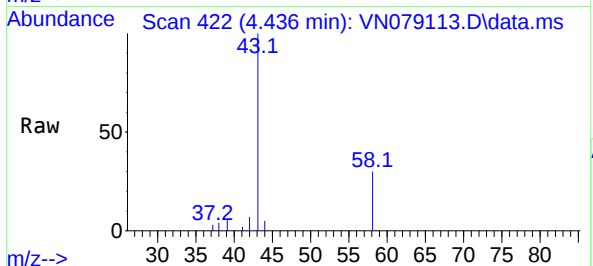




#15
Acetone
Concen: 24.305 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

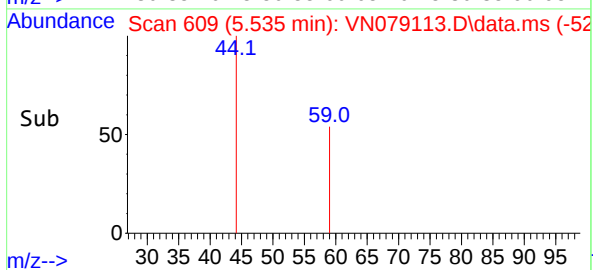
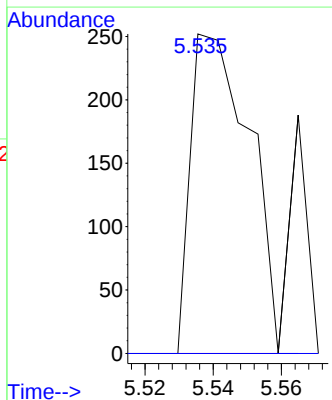
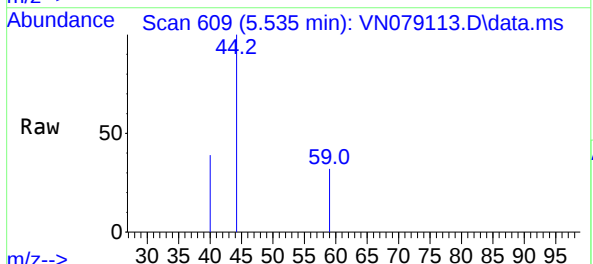
Instrument :
MSVOA_N
ClientSampleId :

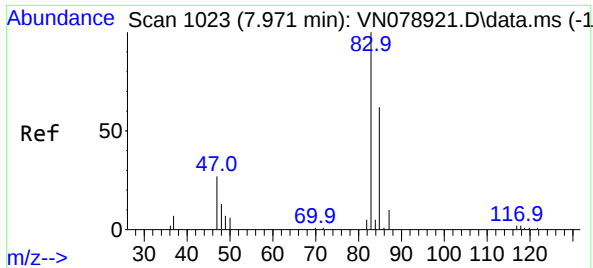
Tgt Ion: 58 Resp: 8412
Ion Ratio Lower Upper
58 100
43 299.3 260.6 390.8



#23
tert-Butyl Alcohol
Concen: 0.715 ug/l
RT: 5.535 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

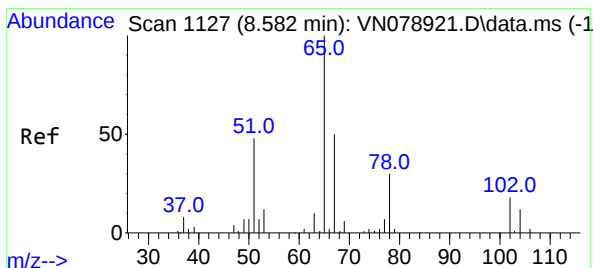
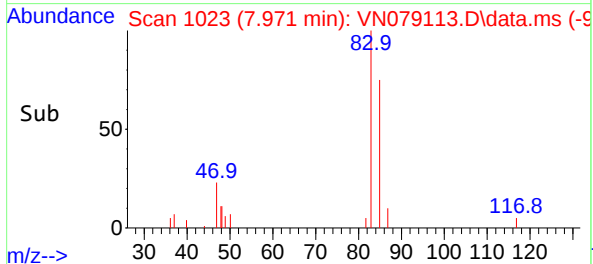
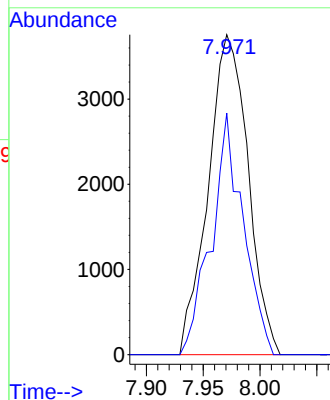
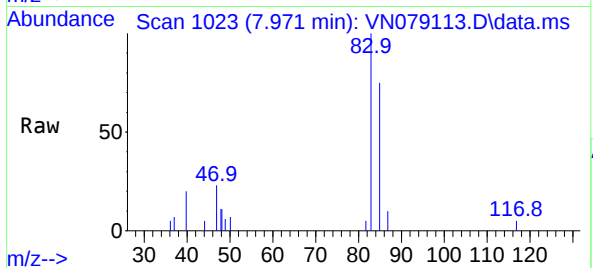




#25
Chloroform
Concen: 2.249 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

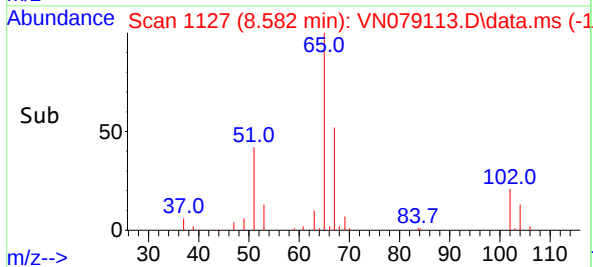
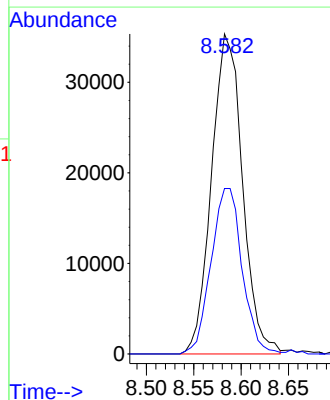
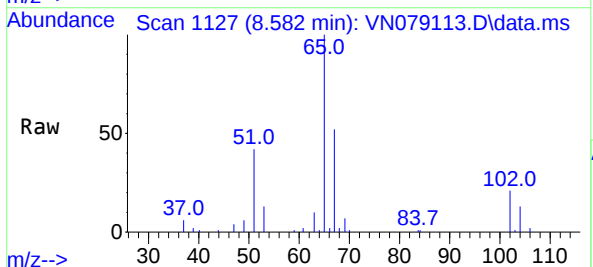
Instrument :
MSVOA_N
ClientSampleId :

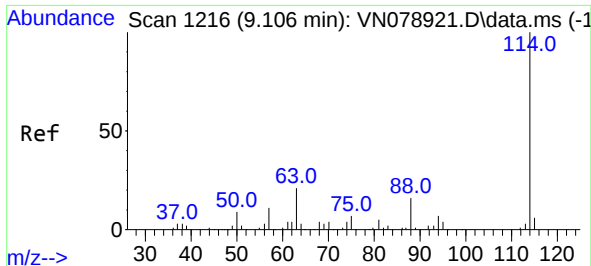
Tgt Ion: 83 Resp: 9177
Ion Ratio Lower Upper
83 100
85 75.5 49.6 74.4#



#27
1,2-Dichloroethane-d4
Concen: 28.700 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Tgt Ion: 65 Resp: 80379
Ion Ratio Lower Upper
65 100
67 51.9 40.7 61.1

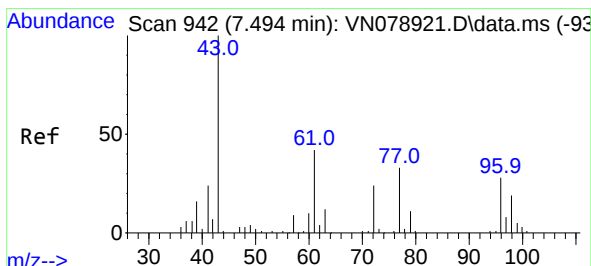
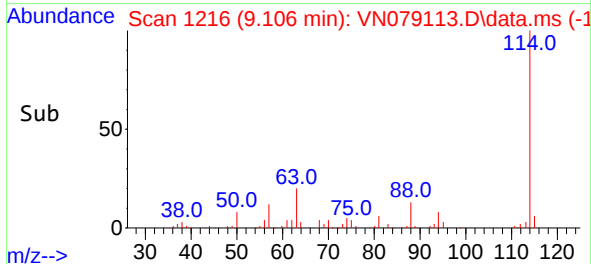
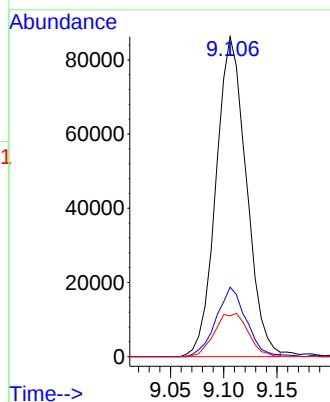
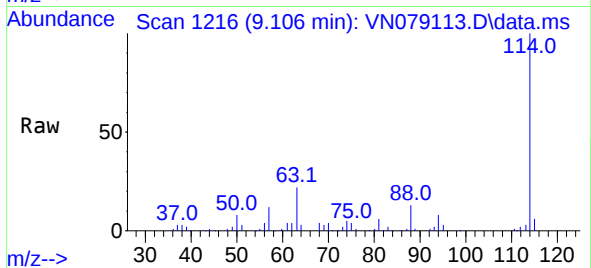




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

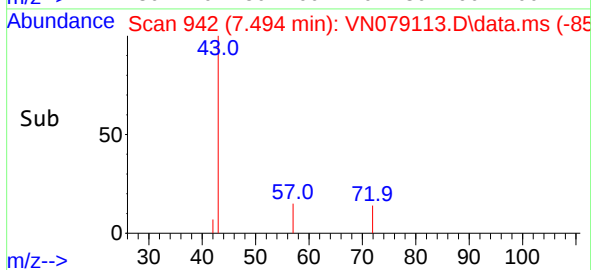
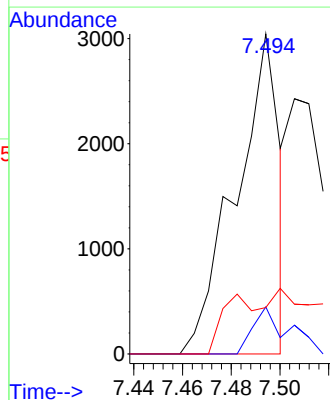
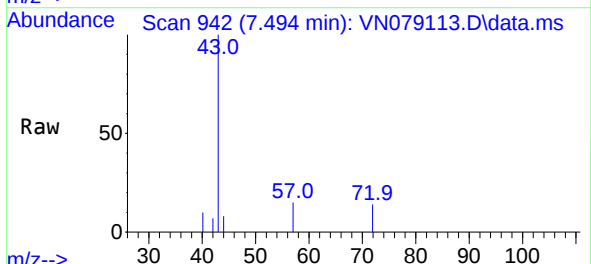
Instrument :
MSVOA_N
ClientSampleId :

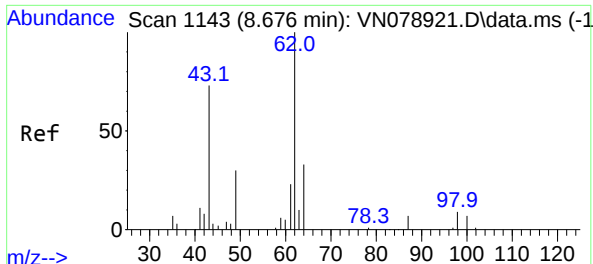
Tgt Ion:114 Resp: 170651
Ion Ratio Lower Upper
114 100
63 21.7 17.4 26.2
88 15.1 12.0 18.0



#30
2-Butanone
Concen: 2.502 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Tgt Ion: 43 Resp: 3802
Ion Ratio Lower Upper
43 100
57 7.8 6.2 9.4
72 13.1 19.4 29.2#

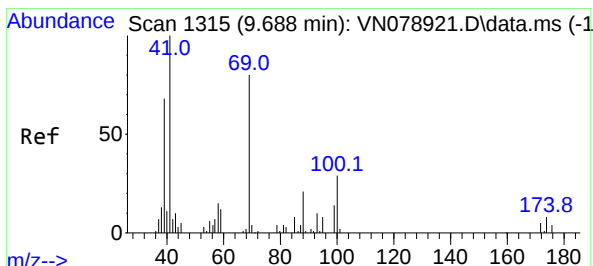
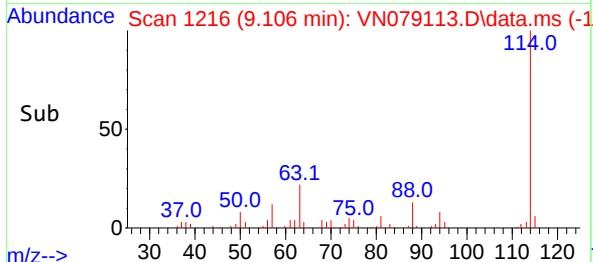
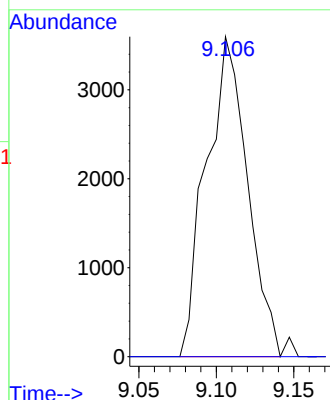
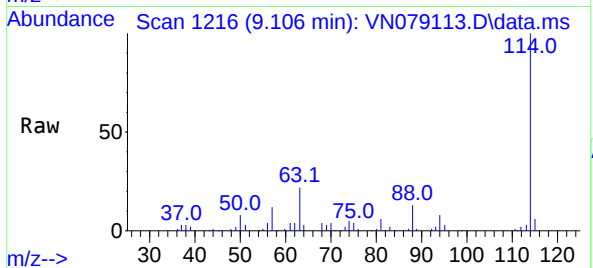




#36
1,2-Dichloroethane
Concen: 2.282 ug/l
RT: 9.106 min Scan# 1143
Delta R.T. 0.429 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

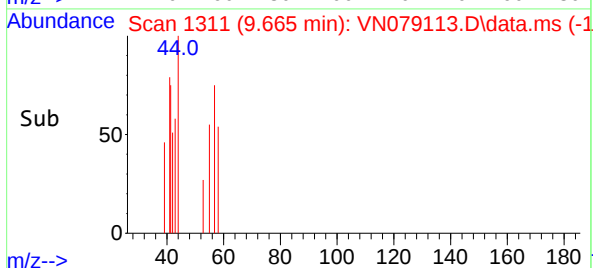
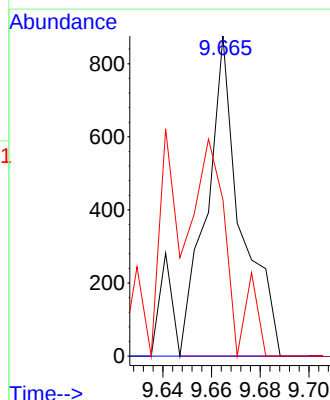
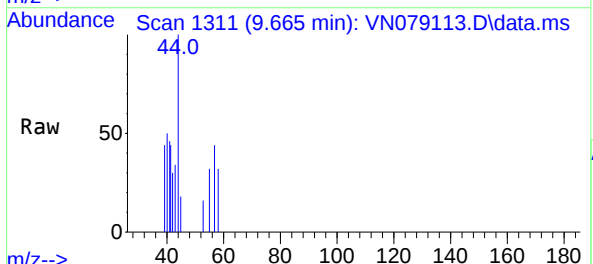
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MSVOA_N
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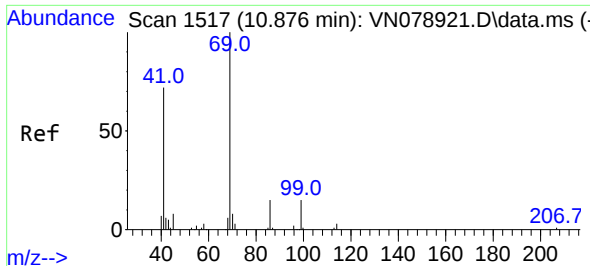
Tgt Ion: 62 Resp: 6647
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#



#46
Methyl methacrylate
Concen: 0.374 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.024 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

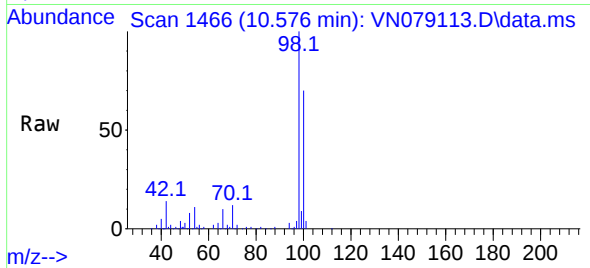
Tgt Ion: 41 Resp: 856
Ion Ratio Lower Upper
41 100
69 0.0 38.5 115.5#
39 48.9 35.9 107.8





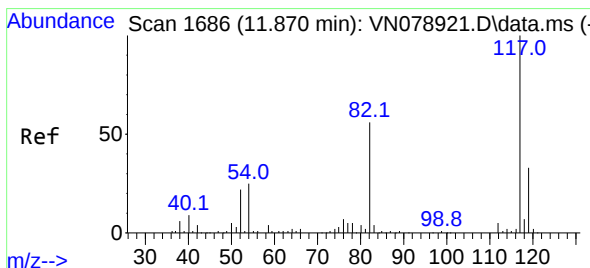
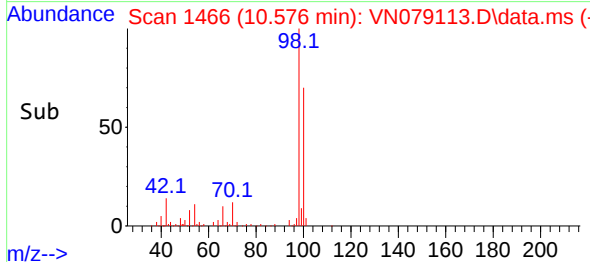
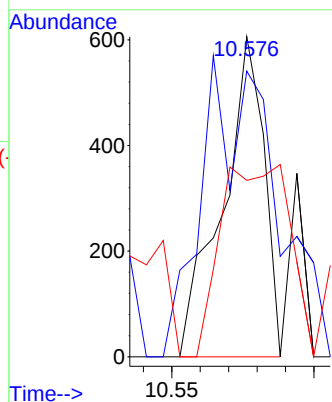
#51
Ethyl methacrylate
Concen: 0.210 ug/l
RT: 10.576 min Scan# 14
Delta R.T. -0.300 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 69 Resp: 617

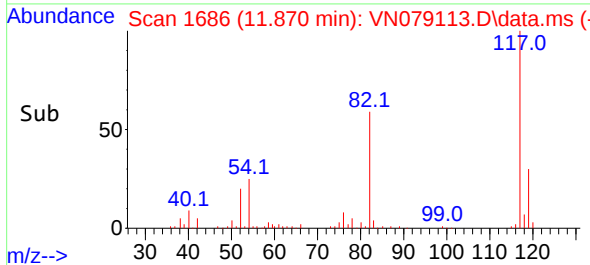
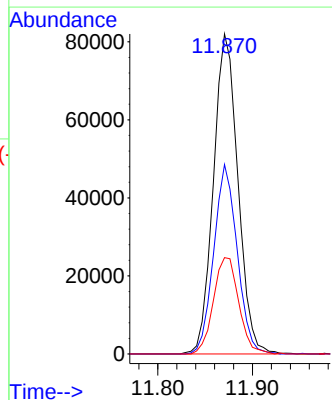
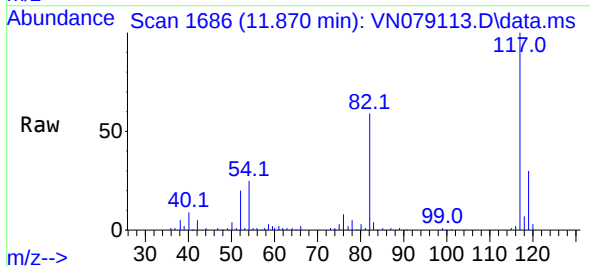
Ion	Ratio	Lower	Upper
69	100		
41	62.2	35.9	107.8
39	55.1	23.5	70.5

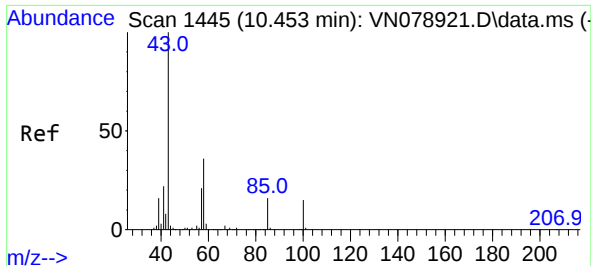


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Tgt Ion: 117 Resp: 147469

Ion	Ratio	Lower	Upper
117	100		
82	56.7	43.4	65.0
119	31.1	25.5	38.3

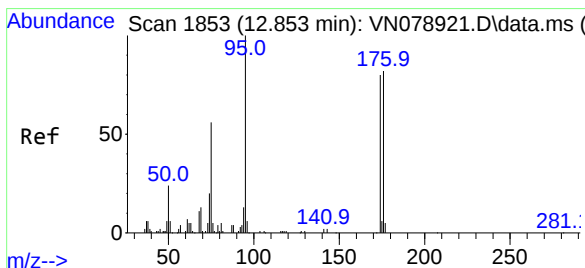
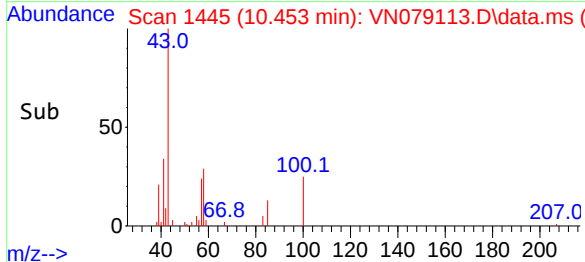
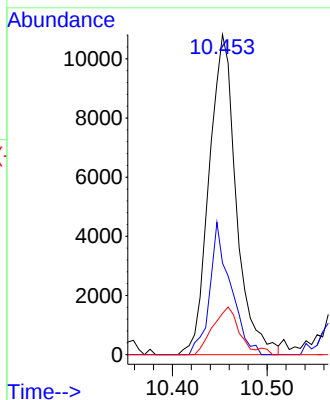
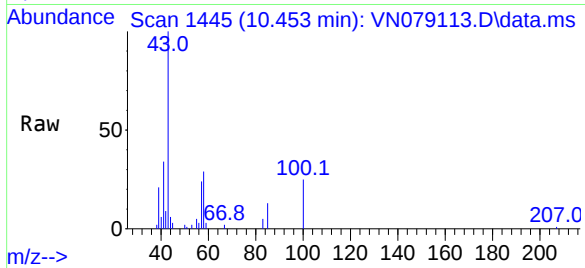




#58
4-Methyl-2-Pentanone
Concen: 7.346 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

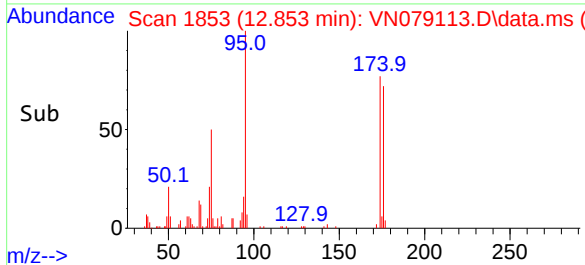
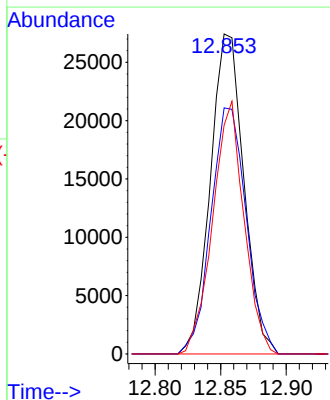
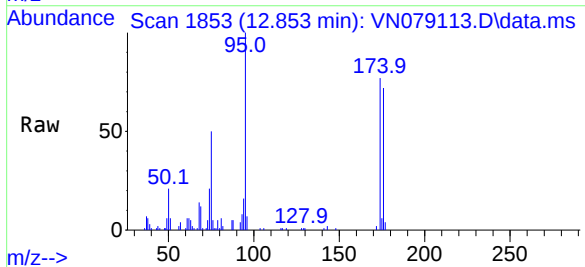
Instrument :
MSVOA_N
ClientSampleId :

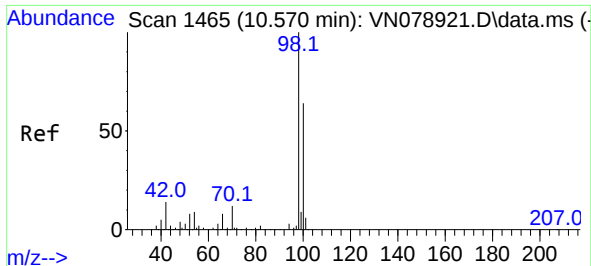
Tgt Ion:	43	Resp:	21494
Ion	Ratio	Lower	Upper
43	100		
58	31.7	28.8	43.2
85	14.3	12.7	19.1



#60
4-Bromofluorobenzene
Concen: 22.620 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

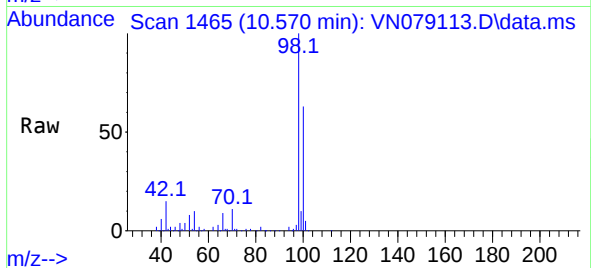
Tgt Ion:	95	Resp:	48658
Ion	Ratio	Lower	Upper
95	100		
174	81.0	64.8	97.2
176	73.7	63.0	94.6



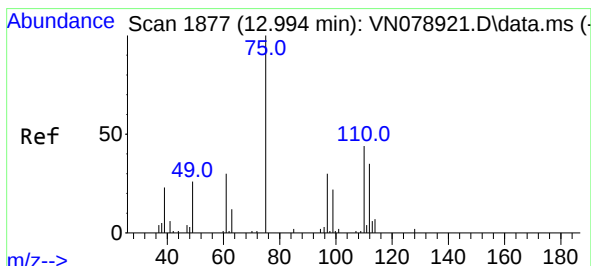
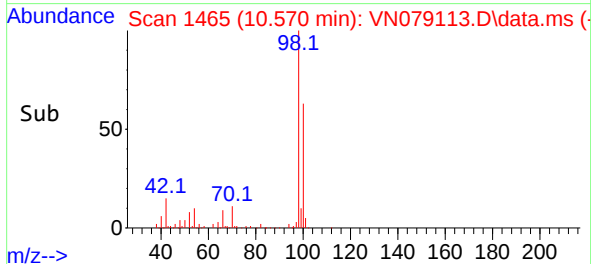
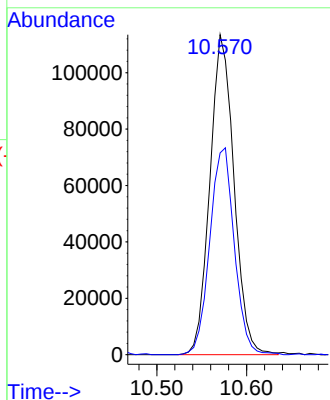


#63
Toluene-d8
Concen: 30.748 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

Instrument :
MSVOA_N
ClientSampleId :

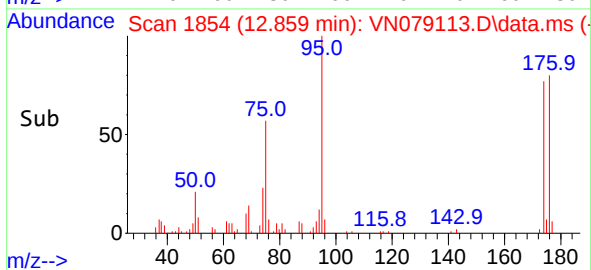
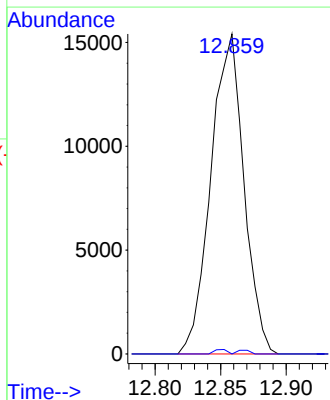
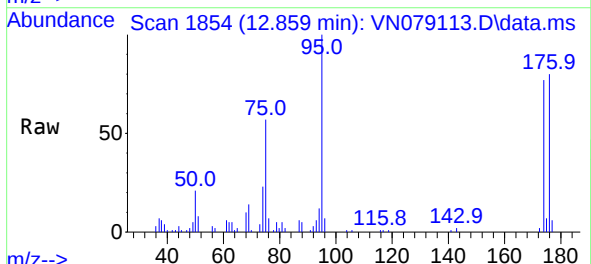


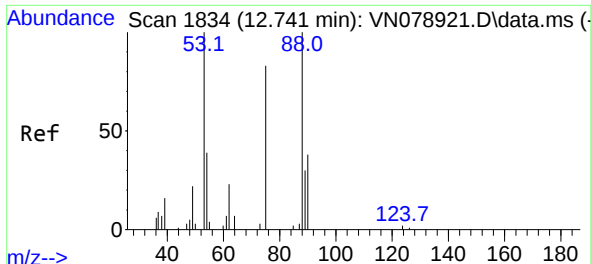
Tgt Ion: 98 Resp: 211753
Ion Ratio Lower Upper
98 100
100 65.8 51.1 76.7



#72
1,2,3-Trichloropropane
Concen: 11.688 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.135 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

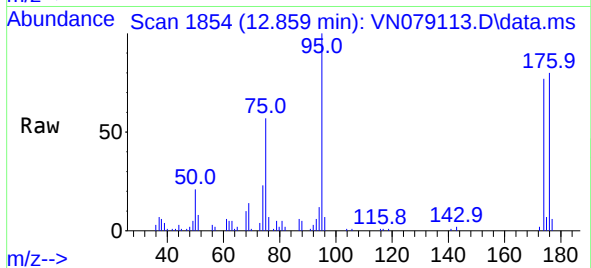
Tgt Ion: 75 Resp: 26965
Ion Ratio Lower Upper
75 100
77 0.5 0.0 367.4



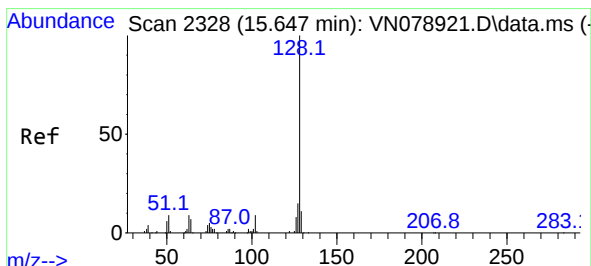
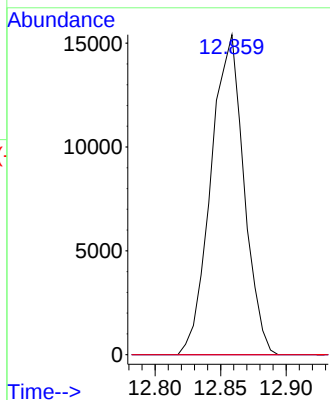
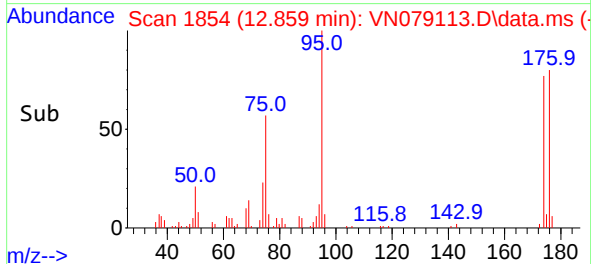


#77
t-1,4-Dichloro-2-butene
Concen: 31.452 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33

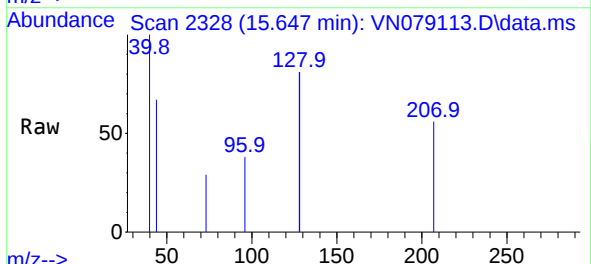
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 26965
Ion Ratio Lower Upper
75 100
53 0.0 60.1 180.3#
89 0.0 22.9 68.8#



#91
Naphthalene
Concen: 0.215 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.000 min
Lab File: VN079113.D
Acq: 30 Aug 2023 13:33



Tgt Ion: 128 Resp: 773
Ion Ratio Lower Upper
128 100
127 0.0 11.1 16.7#
129 0.0 8.6 13.0#

